



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/697,730	10/30/2003	Chin-Kuan Lou	17657.29a	7715
22913	7590	08/25/2008	EXAMINER	
WORKMAN NYDEGGER			TKINH, SONNY	
60 EAST SOUTH TEMPLE				
1000 EAGLE GATE TOWER			ART UNIT	PAPER NUMBER
SALT LAKE CITY, UT 84111			2618	
		MAIL DATE	DELIVERY MODE	
		08/25/2008	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/697,730	Applicant(s) LOU, CHIN-KUAN
	Examiner Sonny TRINH	Art Unit 2618

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If no period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED. (35 U.S.C. § 133).

Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 07 June 2007.
 2a) This action is FINAL. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-15 and 21-31 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 5) Claim(s) 8-15 is/are allowed.
 6) Claim(s) 1-7, 21-31 is/are rejected.
 7) Claim(s) _____ is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892)
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
 3) Information Disclosure Statement(s) (PTO/06/08)
 Paper No(s)/Mail Date _____

4) Interview Summary (PTO-413)
 Paper No(s)/Mail Date _____

5) Notice of Informal Patent Application
 6) Other: _____

DETAILED ACTION

Current Status:

1. This Office Action is in response to the amendment filed 06/07/07. Claims 1-15, 21-31 are pending. Claims 16-20 are canceled, claims 30-31 are newly added.

Response to Arguments

2. Applicant's arguments with respect to claims 1-15, 21-29 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. **Claims 1-7, 21-28, 30-31** are rejected under 35 U.S.C. 103(a) as being unpatentable over Ha et al. (hereinafter "Ha"; U.S. Patent number 6,530,838) in view of Aasland (U.S. Patent Application Publication Number 2003/0036428 A1).

Regarding **claim 1**, with reference to figure 1 and its description, Ha discloses a command input device (game pad 10 of figure 1) for use with a digital data processing system and a portable communication apparatus (PDA 30 of figure 1), comprising:

 a signal connector capable of detachably plugging into a socket of said portable communication apparatus (figure 1, connector 33); and

a command generator coupleable to said signal connector and capable of asserting a command signal (inherent for game command signal in order for the user to play games (see columns 1-2)) and obviously the command generator (the game pad) does not have a wireless transmission module. However, Ha does not disclose a local wireless transmission modules of said portable communication apparatus and said digital data processing system.

In an analogous art, Aasland teaches a method and apparatus for implementing multiplayer PDA games (abstract). With reference to figure 1, Aasland further teaches the wireless PDA/GPS units adapted for communicating with the game server (please see paragraphs [0014] – [0015]).

Therefore, it would have been obvious to one of ordinary skill in the art, at the time the invention was made to incorporate the wireless capabilities of the PDA, as taught by Aasland, into the system of Ha. The motivation for doing so would be to allow users to interact with each other or to engage in interactive game play.

Regarding **claim 2**, Aasland further teaches that the local wireless transmission modules of said portable communication apparatus and said digital data processing system using Bluetooth protocol (paragraph [0014]).

Regarding **claim 4**, Ha further teaches that the command generator is selected from a group consisting of a game pad module (figure 1, please see description).

Regarding **claims 3, 5 and 28, 31**, the combination of Ha and Aasland discloses the invention but does not explicitly disclose that the command generator obtains

electrical power from said portable communication apparatus via said signal connector nor the signal connector is a universal serial bus (USB) connector.

However, universal serial bus (USB) connector are well known and widely used standard for its capability of not only providing a connection but also supplying power to the peripheral devices and the Examiner takes Official notice of such popular connector. The motivation for using an USB connector is to adhere to a standard and also supplying power to the connected devices.

Regarding **claims 6 and 27**, Ha further teaches that said digital data processing system comprises a device selected from a group consisting of a video game system (figure 1).

Regarding **claim 7**, Ha further teaches that said portable communication apparatus comprises a device is a personal digital assistant (figure 1).

Regarding **claims 21-26**, these are the methods claims as opposed to the apparatus claim of claims 1-3, 5-7 respectively and are therefore rejected for the same reasons.

Regarding **claim 30**, this claim merely specifies the means as opposed to the system claim of claim 1 and is therefore rejected for the same reasons.

4. **Claim 29** is rejected under 35 U.S.C. 103(a) as being unpatentable over Glover (U.S. Patent Application Publication Number 2003/0054856 A1).

Regarding **claim 29**, with reference to figures 1,3, 4-6 and descriptions (paragraphs [0027] – [0033]). Glover discloses a method of transmitting a command

input (keyboard 520 of figure 5) at a peripheral device to a computer (since the PDA is used for data transmission, it is inherent that it communicating with other computer (paragraph [0012]), comprising:

in response to said command input (inherent since keyboard 520 obviously can be used to enter commands), generating a command signal from a command generator of said peripheral device and providing said command signal to a portable communication device through a signal connector (keyboard 520 is attached to module/PDA 510, obviously through a connector); and asserting the command signal from the portable communication device to the computer (for data transmission and/or retrieval (paragraph [0012])). However, Glover does not disclose that the wireless transmission is via a Bluetooth based interconnect. However, Bluetooth protocol is a well known and widely used standard and the Examiner takes Official notice of such known standard for use with a PDA. The motivation for using Bluetooth is to conform to a known standard for compatibility issues.

Allowable Subject Matter

5. **Claims 8-15** are allowed.

The following is a statement of reasons for the indication of allowable subject matter:

Regarding **claim 8**, the applied references fail to disclose or render obvious the claimed limitations of a communication system, specifically, a portable communication apparatus capable of communicating with a base station, said portable communication

apparatus having a first local wireless transmission module; a personal computer having a second local wireless transmission module; and a command input device capable of being combined with said portable communication apparatus, and further capable of asserting a command signal to said second local wireless transmission module of said personal computer via said first local wireless transmission module of said portable communication apparatus, wherein the said command input device does not have any wireless transmission module.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sonny TRINH whose telephone number is 571-272-7927. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ed URBAN can be reached on 571-272-7899. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Sonny TRINH/

Primary Examiner, Art Unit 2618